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(54) Title: MICROORGANISM PRODUCING 5'-XANTHYLIC ACID

(57) Abstract: The invention relates to *Corynebacterium ammoniagenes* CJXSP 0201 KCCM 10448 producing 5'-xanthylic acid. More specifically, the invention relates to *Corynebacterium ammoniagenes* CJXSP 0201 KCCM 10448 which is a mutant strain of *Corynebacterium ammoniagenes* KCCM 10340 having a resistance to osmotic pressure. In order to obtain mutant strain having enhanced respiratory activity, the present invention adopted *Corynebacterium ammoniagenes* KCCM 10340 as parent strain and treated it with UV radiation and mutation derivatives such as N-methyl-N'-nitro-n-nitrosoguanidine(NTG) according to ordinary procedure. Therefore, *Corynebacterium ammoniagenes* CJXSP 0201 KCCM 10448 of the present invention makes it possible to overcome growth-standing phase rapidly on early culture and for same period of fermentation, can accumulate 5'-xanthylic acid in culture medium at a high yield and concentration rate.

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